

25 FEB 59

CONTRACT # 113 TASK # 3 (CD-1B2)

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I. Camera Description: SEE ATTACHED.

II. PROGRESS TO DATE:

1. DESIGN IS 70% COMPLETE.
2. DRAFTING IS 30% COMPLETE, MAGAZINES ONLY.
3. FABRICATION IS 10% COMPLETE, MAGAZINES ONLY.



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CD-182 SPECIFICATIONS (MODIFIED)**FIVE (5) CAMERA SETS**

1. Format: 966⁺ on 35MM film.
2. Rate: a. High, 1 frame per 1/2 second (2 FR/sec.)
b. Pulse received from external source (via cable)
3. Film Transport: a. Four (4) station Geneva, single pin driver
b. Coupling gears, camera to magazine.
4. Drive: Gear motor for film transport and shutter.
5. Shutter Speeds: a. 1/5, 1/10, 1/25, 1/50, 1/200, 1/400 second.
b. Automatic setting shutter device.
6. Exposure Control: Automatic
 - a. Photocell
 - b. Amplifier
 - c. Gear Motor
 - d. Shutter Blades
 - e. Variable Density Blades
7. Data Recording: Each frame, day and hour (15min. increments)
 - a. Timer
 - b. Optical system

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8. Controls: Tamper proof, tool required for settings
- a. Amplifier
 - b. Remote switch for operator
 - c. Boresight switch, on-off-time-boresight
9. Reflex Housing:
- a. Model, new Leitz
 - b. Thread mount for short barrel lens
 - c. Praktina mount to camera body
10. Lens:
- a. Leica short barrel for thread engagement.
 - b. 50MM with Praktina mount
 - c. Viewfinder for use with 50MM lens.
11. Lens Support: Use with long focal lens.
12. Mount for Sensor:
- a. 16MM camera body size
 - b. Receptacle (connector) in camera
13. Boresight
14. Mounting plate:
- a. To tri-pod
 - b. Camera to mount in 2 planes.
15. Magazines: Intermittent via coupling gears.
- a. 1000' capacity, 2 req'd.
 - b. 400' " , "
 - c. 100' " , "
 - d. 3 spares of each size on total order

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16. Power supply and cables.



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